



FABRIC WASHING AND SHRINKING MACHINE

MACHINE CONCEPT:

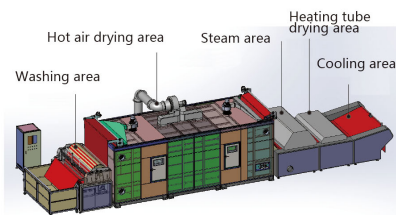
Let the fabric pre-shrink effect reach 100%, save energy and reduce emissions, provide environmentally friendly textile finishing solutions.



Machine structure introduction

This Washing and Shrinking Machine includes water washing area, hot air drying area, steam area, heating tube drying area and cooling area.

- ~The washing area includes a scrubbing section and a water spraying section.
- ~The scrubbing section is provided with a scrubbing water tank and a fabric guide roller group.
- ~The scrubbing water tank is divided into a desizing area and an ultrasonic cleaning area.
- ~The ultrasonic cleaning area is provided with an ultrasonic cleaning device, there are a water tank and a shower head assembly. The shower head assembly is used to rinse the fabric, the water tank is used to store the water dropped by washing the fabric, and the water tank connects with the scrubbing water tank.



MACHINE ADVANTAGE

- 1 Fully soften the fabric, improve the shrinkage effect, the feeling of fabric & the quality of fabric:
Squeeze the fabric guide roller and flatten the fabric guide roller to squeeze the cloth first and then flatten to simulate the traditional rubbing water washing.
- 2 Let the fabric pre-shrink effect reach 100% .
After a series of processes such as desizing, rubbing, ultrasonic cleaning, and water spraying, the fabric is thoroughly washed and then dried.
- 3 Reduce time and labor costs
After using this machine, the fabric can be used directly in next step, which greatly simplifies the fabric finishing processing process.
- 4 Realize energy saving and emission reduction, green textile manufacturing concept
When the fabric is washed in the scrubbing water tank, some water will be taken away due to the water absorption of the fabric, the water of the sprinkler assembly will fall into the water tank in the meantime, and the water will be continuously replenished into the scrubbing water tank, thereby forming a water cycle and no direct discharge of wastewater.

机器可根据客户需求定做 Machine can be customized according to your requirements

FABRIC WASHING AND SHRINKING MACHINE

Front section- Washing area & Hot air drying area

Washing area length	1170mm
Hot air drying area dimension(L*W*H)	6000*2445*2210mm
Height of cloth hanging in hot air drying area	1319mm
Total hanging length of cloth	88m
Input fabric motor power	120W
Output fabric motor power	120W
Blower motor power	800W*2
Hot air motor power	2.2kw
Cyclic Geared Motor Power	1.1kw
Steam ironing cylinder drive motor power	400W
LED light power	50W*2
Steam ironing canister steam pressure	≤0.36Mpa
Steam ironing canister steam consumption	16kg/h
Pressure of steam ironing canister pressing cylinder	≤0.5Mpa
Steam ironing canister temperature	120-130°C(Steam heating)
Hot air drying temperature	Adjust according to different fabric demand
Hot air drying heat source	Electric , Natural gas, diesel, etc

Back section- Steam area & Heating tube drying area & Cooling area

Steam consumption	100kg/h
Steam pressure	0.4-0.7 Mpa
Heating tube drying temperature	Adjustable, ≤200 °C
Exhaust motor power	0.8kw
Sway fabric motor power	0.37kw
Conveyor motor power	0.37kw
Vibration motor power	0.09kw
Suction motor power	0.8kw
Electric heating power	6kw

Technical specification

Max. rolled fabric diameter	40cm
Max. fabric width	2100mm
Working speed	0-15m/min
Total power	14kw
Voltage	AC 380V 50HZ
Overall dimension	12470*2610*2210mm

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